

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-003850**Date Inspected:** 10-Sep-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 2300**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Chen Xi**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Caltrans Quality Assurance (QA) Inspector, Larry Viars was present to observe fabrication and perform Ultrasonic Testing (UT) and Magnetic Particle Testing (MT) of Orthotropic Box Girder (OBG) components, for the San Francisco Oakland Bay Self Anchored Suspension Bridge, at Zhenhua Port Machinery Company (ZPMC) facility on Changxing Island.

Sub Assembly Shop Bay 4:

The Caltrans QA performed MT Verification testing of ZPMC Quality Control (QC) tested and accepted Side Plate SP398-001 stiffener welds 1 through 15, 28 and 29. No relevant indications were noted during testing. See MT report TL-6028 generated on this date for further information

Sub Assembly Shop Bay 7:

The Caltrans QA performed MT Verification testing of ZPMC Quality Control (QC) tested and accepted OBG floor beam welds FB079-001 weld 004, 011, 012, 016, 017, 034~37, FB084-001 weld 004, 011, 012, 016, 017, 034~37, FB079-001 weld 004, 011, 012, 016, 017, 034~37. QA MT verification was also performed on Corner Diaphragm plate welds for CSD007-PP036, CSD004-PP034, CSD004-PP046, CSD004-PP038, CSD004-PP032 and CSD004-PP044. See MT report TL-6028 generated on this date for further information

The Caltrans QA performed UT Verification testing of ZPMC Quality Control (QC) tested and accepted OBG floor beam FB027-006-080, FB023-005-080, FB020-004-080, FB039-002-080, FB040-002-080, FB027-004-080

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and FB028-006-080. No relevant indications were noted during testing. See UT report TL-6027 generated on this date for further information.

Summary of Conversations:

Only General conversations between QA and QC occurred this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Ryan Smith, (858) 232-6799, who represents the Office of Structural Materials for your project.

Inspected By:	Viars,Larry	Quality Assurance Inspector
Reviewed By:	Lanz,Joe	QA Reviewer
